

1 This listing of claims will replace all prior versions, and listings, of claims
2 in the application:

3
4 **Listing of Claims**

5
6 Claim 1 (Currently amended): A method comprising:
7 reading at least a subset of audio content comprising an audio file from
8 optical media removably integrated with an optical drive, wherein the reading
9 comprises:

10 reading a block of audio content; and
11 iteratively repeating the reading step using different block
12 sizes;

13 analyzing at least the read subset of audio content to quantify optical drive
14 read accuracy; and

15 generating one or more metrics of optical drive read accuracy based, at least
16 in part, on the analysis of the read subset of audio content.

17
18 Claim 2 (Canceled)

19
20 Claim 3 (Currently amended): A method according to claim [[2]]1,
21 wherein analyzing the audio content comprises:

22 comparing a first bundle of audio content from one sector of a block of
23 audio content to a second bundle of audio content from the one sector of the block;
24 and
25

1 measuring a difference in amplitude between the first bundle and the
2 second bundle to quantify intra-sector misalignment.

3
4 Claim 4 (Original): A method according to claim 3, wherein analyzing
5 the audio content further comprises:

6 comparing a last bundle of audio content from one sector of a block of
7 audio content to a first bundle of audio content from a subsequent sector of the
8 block of audio content; and

9 measuring an amplitude difference between the bundles to quantify inter-
10 sector misalignment.

11
12 Claim 5 (Original): A method according to claim 4, wherein the
13 subsequent bundle is immediately adjacent to the first bundle.

14
15 Claim 6 (Original): A method according to claim 4, further comprising:
16 adjusting one or more operational settings associated with the optical drive
17 based, at least in part, on the intra- and/or inter-sector misalignment.

18
19 Claim 7 (Original): A method according to claim 4, wherein analyzing
20 the audio content further comprises:

21 comparing data associated with a left channel of a bundle with data
22 associated with a right channel of the bundle; and

23 measuring an amplitude difference between the left channel and the right
24 channel to quantify a channel offset.

1 Claim 8 (Original): A method according to claim 7, further comprising:
2 adjusting one or more operational settings associated with the optical drive
3 based, at least in part, on the intra-sector misalignment and/or the channel offset.
4

5 Claim 9 (Original): A method according to claim 1, wherein analyzing
6 the audio content further comprises:

7 comparing a last bundle of audio content from one sector of a block of
8 audio content to a first bundle of audio content from a subsequent sector of the
9 block of audio content; and one or more of:

10 measuring an amplitude difference between the bundles to quantify inter-
11 sector misalignment.

12 measuring an amplitude difference between data associated with a left
13 channel of a bundle and data associated with a right channel of the bundle to
14 quantify channel offset.
15

16 Claim 10 (Previously presented): A method according to claim 1, wherein
17 analyzing the audio content comprises:

18 comparing audio content within and between two adjacent sectors to
19 quantify one or more of intra-sector misalignment, inter-sector misalignment
20 and/or channel offset metrics.
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1 Claim 11 (Currently amended): A computer readable medium
2 comprising of executable instructions, the executable instructions comprising:
3 ~~which, when executed, implement the method according to claim 1.~~

4 reading at least a subset of audio content comprising an audio file from
5 optical media removably integrated with an optical drive, wherein the reading
6 comprises:

7 reading a block of audio content; and

8 iteratively repeating the reading step using different block
9 sizes;

10 analyzing at least the read subset of audio content to quantify optical drive
11 read accuracy; and

12 generating one or more metrics of optical drive read accuracy based, at least
13 in part, on the analysis of the read subset of audio content.

14
15
16 Claim 12 (Original): A computer system comprising:
17 a storage device having stored therein a plurality of executable instructions;
18 and
19 an execution unit, coupled to the storage device, to selectively execute at
20 least a subset of the plurality of executable instructions to implement a method
21 according to claim 1.

22
23 Claims 13-15 (Canceled)